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AUQDD K620598 K620599

AUQDD Front Lower Control Arm and Ball Joint Assembly User Manual

Models: K620598, K620599

Introduction

This manual provides essential information for the installation, maintenance, and general understanding of your AUQDD Front Lower Control Arm and Ball Joint Assembly. Designed for specific vehicle applications, these components are rigorously tested to ensure secure and sustained performance, contributing to a smooth ride, directional stability, and agile handling.
Please read this manual thoroughly before installation or use to ensure proper function and safety.

Product Overview

The AUQDD Front Lower Control Arm and Ball Joint Assembly includes both driver and passenger side units (K620598 and K620599). These assemblies are pre-assembled for a straightforward installation process. They are manufactured from high-strength steel tubing with solid plate mounting brackets, ensuring superior strength and durability. An anti-corrosion coating is applied for extended life.



Image: Two AUQDD Front Lower Control Arm and Ball Joint Assemblies, showing both left and right units.

Key Features:

- **Application-Specific Design:** Each control arm is engineered for precise fitment and performance.
- **Complete Assembly:** Pre-assembled components for ease of installation.
- **Durable Construction:** Made with high-strength steel tubing and solid mounting brackets.
- **Corrosion Protection:** Features a polished, rust-protected, anti-corrosion coating.
- **Quality Manufacturing:** Produced in an ISO9027 certified facility, ensuring tight engineering tolerances and OE fit.

Compatibility

This Front Lower Control Arm and Ball Joint Assembly is compatible with various Volvo models. Please verify your vehicle's specific details against the list below to ensure proper fitment. Always cross-reference with your vehicle's year, make, and model, and consult any specific notes.

Compatible Volvo Models:

- **2008-2013 Volvo C30:** (Excluding Sport Suspension models)
- **2006-2006 Volvo C70:** (From chassis/VIN 2742)
- **2007-2013 Volvo C70:** (All Models)

- **2006-2006 Volvo S40:** (From chassis/VIN 209291)
- **2007-2011 Volvo S40:** (All Models)
- **2006-2006 Volvo V50:** (From chassis/VIN 214682)
- **2008-2008 Volvo V50:** (From chassis/VIN 382555)
- **2007-2011 Volvo V50:** (All Models)

If you are unsure about compatibility, please contact AUQDD customer support with your vehicle's information.

Installation and Setup

Installation of suspension components requires specialized tools and knowledge. It is highly recommended that installation be performed by a certified professional mechanic. Improper installation can lead to vehicle instability, component failure, and serious injury.

General Installation Steps (Consult Service Manual for Specifics):

1. **Preparation:** Safely lift and support the vehicle on jack stands. Remove the wheel.
2. **Component Removal:** Disconnect the ball joint from the steering knuckle. Unbolt the control arm from the subframe.
3. **New Component Installation:** Position the new AUQDD control arm. Securely bolt it to the subframe, ensuring all fasteners are torqued to manufacturer specifications.
4. **Ball Joint Connection:** Reconnect the new ball joint to the steering knuckle.
5. **Final Checks:** Reinstall the wheel. Lower the vehicle. Perform a final inspection to ensure all components are properly seated and secured.



Image: A close-up view of the ball joint assembly, highlighting its robust construction.

Important: After replacing suspension components, a wheel alignment is highly recommended to ensure proper vehicle handling and tire wear.

Maintenance

AUQDD control arms are designed for long-term durability with minimal maintenance. However, regular inspection of your vehicle's suspension components is crucial for safety and performance.

Recommended Maintenance Checks:

- **Visual Inspection:** Periodically inspect the control arms, ball joints, and bushings for signs of wear, damage, cracks, or corrosion. Look for torn dust boots on the ball joints.
- **Noise Check:** Listen for unusual noises (clunking, squeaking) from the suspension, especially over bumps or during turns, which may indicate worn components.
- **Handling Check:** Pay attention to changes in vehicle handling, such as excessive play in the steering, uneven tire wear, or a feeling of looseness in the front end.
- **Professional Inspection:** Have your suspension system professionally inspected during routine vehicle maintenance, typically every 12,000 to 15,000 miles or annually.



Image: A detailed view of the control arm bushing, showing its robust construction and secure fitment.

Troubleshooting

If you experience issues after installation or during the lifespan of the control arms, consider the following common problems and potential solutions:

Problem	Possible Cause	Solution
Clunking or rattling noise from front suspension	Loose fasteners, worn ball joint, worn bushing, incorrect installation.	Check all bolts for proper torque. Inspect ball joint and bushings for wear. Re-evaluate installation.
Uneven tire wear	Incorrect wheel alignment, worn ball joint or bushing.	Perform a wheel alignment. Inspect and replace worn components.

Problem	Possible Cause	Solution
Vehicle pulls to one side	Incorrect wheel alignment, damaged control arm, worn ball joint.	Check alignment. Inspect control arm for damage. Replace if necessary.
Loose or sloppy steering	Worn ball joint, worn control arm bushings.	Inspect and replace worn ball joints or bushings.

If troubleshooting steps do not resolve the issue, or if you suspect a defect, please contact AUQDD customer support.

Specifications

Attribute	Detail
Brand	AUQDD
Model Numbers	K620598 (Driver Side), K620599 (Passenger Side)
Part Position	Front Lower (Left and Right)
Material	Alloy Steel
Color	Black
Fit Type	Vehicle Specific Fit
Item Weight	Approximately 22.2 pounds (for the pair)
Product Dimensions	23 x 11.8 x 4.7 inches (packaging dimensions)
Surface Finish	Polished, Rust protected, Anti-corrosion coating
Manufacturing Certification	ISO9027 Certified Facility

Warranty and Support

AUQDD stands behind the quality of its products. This Suspension Control Arm and Ball Joint Assembly is backed by a**14-month warranty** from the date of purchase.
For warranty claims, technical assistance, or any questions regarding product suitability for your vehicle, please contact AUQDD customer support. Our team of senior engineers is available to assist you.
Contact Information:

Online Support: Refer to the seller's contact information on the platform where the product was purchased.

Technical Inquiries: Our engineers are available 24 hours online to answer your questions.

DEDICATED SERVICE AND CO CREATION OF VALUE



Image: AUQDD brand motto, emphasizing dedicated service and value creation.

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